



SYR-HSD-5002 Substitute Sequence Listing.ST25.txt
SEQUENCE LISTING

<110> SYRRX, INC.

<120> PROBE, ASSAY AND KITS FOR DETECTING 11B-HYDROXYSTEROID
DEHYDROGENASE AND MODULATORS THEREOF

<130> SYR-HSD-5002-U

<140> US 10/800,140

<141> 2004-03-11

<160> 7

<170> PatentIn version 3.2

<210> 1

<211> 292

<212> PRT

<213> Homo sapiens

<220>

<221> MISC_FEATURE

<222> (1)..(292)

<223> Amino acid sequence for full-length human wild type
11B-hydroxysteroid dehydrogenase

<400> 1

Met Ala Phe Met Lys Lys Tyr Leu Leu Pro Ile Leu Gly Leu Phe Met
1 5 10 15

Ala Tyr Tyr Tyr Tyr Ser Ala Asn Glu Glu Phe Arg Pro Glu Met Leu
20 25 30

Gln Gly Lys Lys Val Ile Val Thr Gly Ala Ser Lys Gly Ile Gly Arg
35 40 45

Glu Met Ala Tyr His Leu Ala Lys Met Gly Ala His Val Val Val Thr
50 55 60

Ala Arg Ser Lys Glu Thr Leu Gln Lys Val Val Ser His Cys Leu Glu
65 70 75 80

Leu Gly Ala Ala Ser Ala His Tyr Ile Ala Gly Thr Met Glu Asp Met
85 90 95

Thr Phe Ala Glu Gln Phe Val Ala Gln Ala Gly Lys Leu Met Gly Gly
100 105 110

Leu Asp Met Leu Ile Leu Asn His Ile Thr Asn Thr Ser Leu Asn Leu
115 120 125

Phe His Asp Asp Ile His His Val Arg Lys Ser Met Glu Val Asn Phe
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SYR-HSD-5002 Substitute Sequence Listing.ST25.txt

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135

140

Leu Ser Tyr Val Val Leu Thr Val Ala Ala Leu Pro Met Leu Lys Gln
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Ser Asn Gly Ser Ile Val Val Val Ser Ser Leu Ala Gly Lys Val Ala
165 170 175

Tyr Pro Met Val Ala Ala Tyr Ser Ala Ser Lys Phe Ala Leu Asp Gly
180 185 190

Phe Phe Ser Ser Ile Arg Lys Glu Tyr Ser Val Ser Arg Val Asn Val
195 200 205

Ser Ile Thr Leu Cys Val Leu Gly Leu Ile Asp Thr Glu Thr Ala Met
210 215 220

Lys Ala Val Ser Gly Ile Val His Met Gln Ala Ala Pro Lys Glu Glu
225 230 235 240

Cys Ala Leu Glu Ile Ile Lys Gly Gly Ala Leu Arg Gln Glu Glu Val
245 250 255

Tyr Tyr Asp Ser Ser Leu Trp Thr Thr Leu Leu Ile Arg Asn Pro Cys
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Arg Lys Ile Leu Glu Phe Leu Tyr Ser Thr Ser Tyr Asn Met Asp Arg
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Phe Ile Asn Lys
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<210> 2
<211> 286
<212> PRT
<213> Artificial

<220>
<223> Amino acid sequence for residues 24-292 of 11B-hydroxysteroid
dehydrogenase with a N-terminal MKHQHQHQHQHQQPL tag

<400> 2

Met Lys His Gln His Gln His Gln His Gln His Gln His Gln Pro
1 5 10 15

Leu Asn Glu Glu Phe Arg Pro Glu Met Leu Gln Gly Lys Lys Val Ile
20 25 30

Val Thr Gly Ala Ser Lys Gly Ile Gly Arg Glu Met Ala Tyr His Leu
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SYR-HSD-5002 Substitute Sequence Listing.ST25.txt

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Val	Ala	Gln	Ala	Gly	Lys	Leu	Met	Gly	Gly	Leu	Asp	Met	Leu	Ile	Leu
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Lys	Glu	Tyr	Ser	Val	Ser	Arg	Val	Asn	Val	Ser	Ile	Thr	Leu	Cys	Val
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SYR-HSD-5002 Substitute Sequence Listing.ST25.txt

<210> 3
 <211> 1405
 <212> DNA
 <213> Artificial

<220>
 <223> Human cDNA sequence encoding residues 24-292 of
 11B-hydroxysteroid dehydrogenase

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cctccccatt ctggggctct tcatggccta ctactactat tctgcaaacg aggaattcag      180
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SYR-HSD-5002 Substitute Sequence Listing.ST25.txt

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 <212> DNA
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<220>
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SEQUENCE LISTING

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<120> PROBE, ASSAY AND KITS FOR DETECTING 11B-HYDROXYSTEROID
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<130> SYR-HSD-5002-U
<140> US 10/800,140
<141> 2004-03-11
<160> 7
<170> PatentIn version 3.2
<210> 1
<211> 292
<212> PRT
<213> Homo sapiens

<220>
<221> MISC_FEATURE
<222> (1)..(292)
<223> Amino acid sequence for full-length human wild type
11B-hydroxysteroid dehydrogenase

<400> 1

Met Ala Phe Met Lys Lys Tyr Leu Leu Pro Ile Leu Gly Leu Phe Met
1 5 10 15

Ala Tyr Tyr Tyr Tyr Ser Ala Asn Glu Glu Phe Arg Pro Glu Met Leu
20 25 30

Gln Gly Lys Lys Val Ile Val Thr Gly Ala Ser Lys Gly Ile Gly Arg
35 40 45

Glu Met Ala Tyr His Leu Ala Lys Met Gly Ala His Val Val Val Thr
50 55 60

Ala Arg Ser Lys Glu Thr Leu Gln Lys Val Val Ser His Cys Leu Glu
65 70 75 80

Leu Gly Ala Ala Ser Ala His Tyr Ile Ala Gly Thr Met Glu Asp Met
85 90 95

Thr Phe Ala Glu Gln Phe Val Ala Gln Ala Gly Lys Leu Met Gly Gly
100 105 110

Leu Asp Met Leu Ile Leu Asn His Ile Thr Asn Thr Ser Leu Asn Leu
115 120 125

Phe His Asp Asp Ile His His Val Arg Lys Ser Met Glu Val Asn Phe
Page 1

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135

140

Leu Ser Tyr Val Val Leu Thr Val Ala Ala Leu Pro Met Leu Lys Gln
145 150 155 160

Ser Asn Gly Ser Ile Val Val Val Ser Ser Leu Ala Gly Lys Val Ala
165 170 175

Tyr Pro Met Val Ala Ala Tyr Ser Ala Ser Lys Phe Ala Leu Asp Gly
180 185 190

Phe Phe Ser Ser Ile Arg Lys Glu Tyr Ser Val Ser Arg Val Asn Val
195 200 205

Ser Ile Thr Leu Cys Val Leu Gly Leu Ile Asp Thr Glu Thr Ala Met
210 215 220

Lys Ala Val Ser Gly Ile Val His Met Gln Ala Ala Pro Lys Glu Glu
225 230 235 240

Cys Ala Leu Glu Ile Ile Lys Gly Gly Ala Leu Arg Gln Glu Glu Val
245 250 255

Tyr Tyr Asp Ser Ser Leu Trp Thr Thr Leu Leu Ile Arg Asn Pro Cys
260 265 270

Arg Lys Ile Leu Glu Phe Leu Tyr Ser Thr Ser Tyr Asn Met Asp Arg
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Phe Ile Asn Lys
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<210> 2
<211> 286
<212> PRT
<213> Artificial

<220>
<223> Amino acid sequence for residues 24-292 of 11B-hydroxysteroid
dehydrogenase with a N-terminal MKHQHQHQHQHQQPL tag

<400> 2

Met Lys His Gln His Gln His Gln His Gln His Gln His Gln Pro
1 5 10 15

Leu Asn Glu Glu Phe Arg Pro Glu Met Leu Gln Gly Lys Lys Val Ile
20 25 30

Val Thr Gly Ala Ser Lys Gly Ile Gly Arg Glu Met Ala Tyr His Leu
Page 2

45

Ala 50	Lys	Met	Gly	Ala	His	Val 55	Val	Val	Thr	Ala	Arg 60	Ser	Lys	Glu	Thr
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SYR-HSD-5002 Substitute Sequence Listing.ST25.txt

<210> 3
 <211> 1405
 <212> DNA
 <213> Artificial

<220>
 <223> Human cDNA sequence encoding residues 24-292 of
 11B-hydroxysteroid dehydrogenase

<400> 3
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<210> 4
 <211> 24
 <212> DNA
 <213> Artificial

SYR-HSD-5002 Substitute Sequence Listing.ST25.txt

<220>
 <223> DNA sequence encoding PCR primer hsd1_24-f
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